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1: Matrix Biol. 2005 Aug;24(5):371-5.

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FULL-TEXT ARTICLE**Insect cell conditioned medium contains an endoglycosidase  
able to liberate chondroitin sulfate chains from aggrecan.****Roughley PJ, Melching LI, Mort JS.**Shriners Hospital for Children and Department of Surgery, McGill  
University, Montreal, Quebec, Canada.

Culture medium obtained from baculovirus-infected High Five insect cells contains an endoglycosidase activity capable of releasing chondroitin sulfate chains from aggrecan, decorin and biglycan. Release appears to occur by cleavage within the linkage region of the chondroitin sulfate chain, but not all chains are amenable to release. Culture medium from Sf9 insect cells does not contain this activity. The endoglycosidase may become a useful reagent for biochemical research for releasing intact chondroitin sulfate chains from proteoglycans. It may also represent an impediment to such research when baculovirus systems are used to generate recombinant proteoglycans.

PMID: 15970436 [PubMed - in process]

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